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# Using Online Resources to Flip Your Classroom

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# Using Online Resources to Flip Your Classroom

VITAL Workshop

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# Agenda

- Introduction
- Traditional vs. Flipped Classroom
- Open Educational Resources (OERs)
  - Open Textbooks
  - Open (Source) Software
  - Digital Learning Objects
- How to Use These in Combination?
- Conclusion: Is it worth it?



# Introduction: Why am I here?

- Interest in:
  - Effects of Open Source and Open Access Literature on Higher Education
  - The “Cost” of Information
  - Ethical Use of Information
  - Open Education Resources and Open Access publishing practices
- 14-15 Faculty Learning Community: Beyond Textbooks
- Open Access Week, October 20-26, 2014



What is the “Flipped Classroom?”

What are “Online Resources?”

Why should one use both?



# The “Traditional” Classroom

- Lecture, content (in-class)
- Homework, readings, review content (out-of-class)

# The “Flipped” Classroom

- Lecture, content, readings (out-of-class)
- Homework, review content (in-class)



# The “Flipped” Classroom

- Online tutorials and software, including video & flash media
- Active Learning in-class
- Peer-Instruction

Proprietary Resources (ex: Blackboard)  
vs. Open Educational Resources (OERs)



# Open Educational Resources (OERs)

***Open Educational Resources:*** “shared teaching, learning, and research resources available under legally recognized [open licenses](#)—free for people to reuse, revise, remix, and redistribute.”\*

\*Educopia.com. (November 4, 2013). “Open Educational Resources (OER): Roundup Roundup.” Accessed November 8, 2014. Available at <http://www.edutopia.org/article/open-educational-resources-oer-resource-roundup>

Includes:

- Open Textbooks
- Open (Source) Software
- Digital Learning Objects (DLOs)



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# Open Textbooks

***Open Textbooks:*** “real, complete textbooks licensed so teachers and students can freely use, adapt, and distribute the material. Open textbooks can be downloaded for no cost, or printed inexpensively.”

-Open Textbook Library's [Introduction](#)

Example: [OpenSUNY](#) (Information Literacy textbook)



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# Open Textbooks

## ***Pros:***

- Freely available
- Software-friendly
- Customizable
- Cloud-based, portability

## ***Cons:***

- Quality
- Unsustainable?
- Non-Print
- Mostly Introductory Texts (at this point)
- Simple Formatting

Poll question: [What do you think of Open Textbooks?](#)



# Open (Source) Software

***Open Source***: “The process of releasing the program code of a software product in order to encourage companies and others to build on the original product.”

-Darrel Ince, [Dictionary of the Internet](#), 3<sup>rd</sup> Edition

Example: [NB](#) (annotation software)



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# Open (Source) Software

## ***Pros:***

- Freely available
- Easy licensing
- Supports active learning

## ***Cons:***

- Lack of client support or tutorials
- Learning curve
- Lack of updates
- Novice users

Poll Question: [Open Source Software is...\[blank\]](#)



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# Digital Learning Objects (DLOs)

***Digital Learning Objects (DLOs)***: educational materials designed and created in small chunks for the purpose of maximizing the number of learning situations in which the resource can be utilized.

[-Open Content](#)

Also known as ***Digital Learning Materials (DLMs)***

Example: [Merlot](#) (“What is Information Literacy?”)



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# Digital Learning Objects (DLOs)

## ***Pros:***

- Freely Available
- Duration (usually shorter)
- Variety of formats/media
- Variety of viewpoints
- Widely available (you might already use them!)

## ***Cons:***

- Quality
- Currency
- Software compatibility
- Doesn't always cover the topic how you would cover it

Poll Question: [What should they be called? DLOs or DLMS?](#)



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# How could it all come together?

Open Textbook

+

Open (Source) Software

+

Digital Learning Object

=

[Information Literacy 101](#)



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# Conclusion: Is it worth it?

## Three Things to Consider:

- MooCs vs. Brick-and-Mortar Education (or Massive vs. Personal)
- Fixed curriculum of For-Profit Education vs. Academic Freedom of Non-For-Profit Education
- Cost of Textbooks





# Questions?

For more information:

<http://libguides.valpo.edu/scholarlycommunication>

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